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PTO/SB/01 (12-97)

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<b>DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)</b>  <input type="checkbox"/> Declaration Submitted with Initial Filing OR <input checked="" type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)	<b>Attorney Dock t Numb r</b>	297/93
	<b>First Named Inventor</b>	Petite, James N.
	<b>COMPLETE IF KNOWN</b>	
	<b>Application Number</b>	09/370,708
	<b>Filing Date</b>	August 9, 1999
	<b>Group Art Unit</b>	1636
	<b>Examiner Name</b>	Not Assigned

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**METHOD OF PRODUCING AN UNDIFFERENTIATED AVIAN CELL  
CULTURE USING AVIAN PRIMORDIAL GERM CELLS**

the specification of which  
☐ is attached hereto  
OR  
☒ was filed on (MM/DD/YYYY) **August 9, 1999** as United States Application Number or PCT International

Application Number **09/370,708** and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 356(b) of any foreign application(s) for patent or inventor's certificate, or 356(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)

☐ Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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## DECLARATION — Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02C attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

☐ Customer Number

OR

☒ Registered practitioner(s) name/registration number listed below

Place Customer Number Bar Code Label here

Name	Registration Number	Name	Registration Number
Richard E. Jenkins	28,428	Jennifer L. Skord	30,687
Jeffrey L. Wilson	36,058	David P. Gloekler	41,037
Arles A. Taylor, Jr.	39,395	Gregory A. Hunt	41,085

☒ Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached hereto.

Direct all correspondence to: ☐ Customer Number or Bar Code Label

OR ☒ Correspondence address below

Name	Arles A. Taylor, Jr.		
Address	Jenkins & Wilson, P.A.		
Address	Suite 1400 University Tower, 3100 Tower Boulevard		
City	Durham	State	NC
ZIP	27707		
Country	USA	Telephone	(919) 493-8000
Fax	(919) 419-0383		

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor: ☐ A petition has been filed for this unsigned inventor

Given Name (first and middle (if any))		Family Name or Surname	
James N.		Petitte	
Inventor's Signature	<i>James N. Pettitte</i>		Date
Residence: City		State	Country
Raleigh		NC	USA
Post Office Address	620 Shadywood Lane		
Post Office Address			
City	State	ZIP	Country
Raleigh	NC	27603	USA

☒ Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto

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## DECLARATION

ADDITIONAL INVENTOR(S)  
Supplemental Sheet  
Page 1 of 1

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Yi Guo				Zhang			
Inventor's Signature	<i>Yi Guo Zhang</i>			Date			
Residence: City	Raleigh	State	NC	Country	USA	Citizenship	Chinese
Post Office Address	3527 Horton Street, #104						
Post Office Address							
City	Raleigh	State	NC	ZIP	27607	Country	USA
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Inventor's Signature				Date			
Residence: City		State		Country		Citizenship	
Post Office Address							
Post Office Address							
City		State		ZIP		Country	
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Inventor's Signature				Date			
Residence: City		State		Country		Citizenship	
Post Office Address							
Post Office Address							
City		State		ZIP		Country	

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DECEMBER 28, 1999

JENKINS & WILSON, P.A.  
ARLES A. TAYLOR, JR.  
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3100 TOWER BOULEVARD  
DURHAM, NC 27707



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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/01/1999

REEL/FRAME: 010285/0772  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
PETITTE, JAMES N.

DOC DATE: 09/21/1999

ASSIGNOR:  
ZHANG, YI GUO

DOC DATE: 09/21/1999

ASSIGNEE:  
STATE UNIVERSITY, NORTH CAROLINA  
1 HOLLADAY HALL  
CAMPUS BOX 7003  
RALEIGH, NORTH CAROLINA 27595-7003

FILING DATE: 08/09/1999  
ISSUE DATE:

SERIAL NUMBER: 09370708  
PATENT NUMBER:

010285/0772 PAGE 2

ANTIONE ROYALL, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

10-08-1999

DEPARTMENT OF COMMERCE  
Patent and Trademark Office

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To the Honorable Commissioner of Patents and Trademark

1. Name of conveying party(ies):

James N. Petite

Yi Guo Zhang



Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date: September 21, 1999

2. Name and address of receiving party(ies):

Name: North Carolina State University

Internal Address: \_\_\_\_\_

Street Address: 1 Holladay Hall

Campus Box 7003

City: Raleigh State: NC ZIP: 27595-7003

Additional name(s) & address(es) attached?

☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

09/370,708

B. Patent No.(s)

01/05/1999 HPRASASD 00000086 09370708

2 FC:581

40.00 OP

Additional numbers attached?

☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Jenkins & Wilson, P.A.

Internal Address: \_\_\_\_\_

Street Address: Suite 1400, University Tower

3100 Tower Boulevard

City: Durham State: NC ZIP: 27707

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) ..... \$ 40.00

☒ Enclosed

☐ Authorized to be charged to deposit account

8. Deposit account number: \_\_\_\_\_

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Arles A. Taylor, Jr.

Name of Person Signing

Arles A. Taylor  
Signature

9/29/99  
Date

Total number of pages including cover sheet, attachments, and document: 4

ASSIGNMENT

WHEREAS, we, James N. Petite, City of Raleigh, State of North Carolina, and Yi Guo Zhang, City of Raleigh, State of North Carolina, (hereinafter "Assignors"), have invented certain new and useful improvements in METHOD OF PRODUCING AN UNDIFFERENTIATED AVIAN CELL CULTURE USING AVIAN PRIMORDIAL CELLS for which a U.S. Patent Application was filed on August 9, 1999 as Serial No. 09/370,708.

AND, WHEREAS, North Carolina State University, a non-profit organization located at Raleigh, North Carolina (hereinafter "Assignee"), is desirous of acquiring an interest therein.

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors have sold and by these presents do hereby sell, assign, transfer and convey unto the said Assignee, its successors and assigns, their entire right, title and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with their right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if this assignment and sale had not been made.

Assignors hereby request that said Letters Patent be issued in accordance with this assignment.



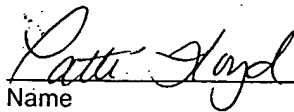
Assignors further covenant and agree that, at the time of the execution and delivery of these presents, Assignors possess full title to the invention and application above-mentioned, and that they have the unencumbered right and authority to make this assignment.


Assignors further covenant and agree, and likewise bind their heirs, legal representatives and assigns, to promptly communicate to said Assignee or its representatives any facts known to them relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the Assignee, its representatives, successors and assigns to secure patent or similar protection for the said invention in all countries and to vest in the Assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said Assignee, its successors, assigns and other legal representatives.

Executed this 21 day of September 1999.

  
James N. Petite

Witnessed by:

 9/21/99  
Name Date

 9.21.99  
Name Date

Executed this 21 day of Sept 1999.

Yi Guo ZHANG  
Yi Guo Zhang

Witnessed by:

Leta Floyd 9/21/99  
Name Date

Quinn Wood 9-21-99  
Name Date